



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Print

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
P0040926	ACI001-VC	1		1 Net 30	M6061T6B2.000X08.000	6061-T6 Bar 2.00" X 8.00" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12	9/14/2018	12		S110497	Stock	9/14/2018	\$ 74.24 / ft	3		\$890.93	Acier Ouellette Inc.	
		2			M6061T6B1.000X02.000	6061-T6 Bar 1.00 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				24		22		S110498	Stock	9/14/2018	\$ 8.30 / ft	3		\$182.66	Acier Ouellette Inc.	
		3			M6061T6B3.000X01.500	6061-T6 Bar 3.00 X 1.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12		12		S110499	Stock	9/14/2018	\$ 18.04 / ft	3		\$216.22	Acier Ouellette Inc.	
		4			M304R0.750	304 SS Roundbar .750 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				24		25		S110500	Stock	9/14/2018	\$ 4.90 / ft	3		\$120.77	Acier Ouellette Inc.	
										Total:		72									\$1,083.56	

Plex 9/17/2018 10:04 AM dart.Tollis.Andrew



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040926**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO040926

PO Date: 9/4/18

Due Date: 9/7/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
SEP 06 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: quote no. SOU0129527

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M6061T6B2.000X08.000		6061-T6 Bar 2.00' X 8.00" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	9/7/18	12 ft	0 ft	12 ft	\$74.244166/ft	\$890.93
Line Item Note 2 pcs at 6 ft length												
2		M6061T6B1.000X02.000		6061-T6 Bar 1.00 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	9/7/18	24 ft	0 ft	24 ft	\$8.3029166/ft	\$199.27
3		M6061T6B3.000X01.500		6061-T6 Bar 3.00 X 1.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	9/7/18	12 ft	0 ft	12 ft	\$18.043333/ft	\$216.52
4		M304R0.750		304 SS Roundbar .750 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/7/18	24 ft	0 ft	24 ft	\$4.8958333/ft	\$117.50

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
5		MT-4140-S-0.500X1.625		4140 Steel Plate 0.500 X 1.625 : MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed -		9/7/18	12 ft	0 ft	12 ft	\$43.33333/ft	\$520.00
Line Item Note 2 pcs of 6 ft												
												Grand Total: \$1,944.22

Order Notes
<p>Procurement Quality Clauses</p> <p>A005 right of entry</p> <p>A012 chemical and physical test report</p> <p>A016 personnel qualification</p> <p>A017 raw material identification (as applicable)</p> <p>A026 certification of material conformance</p> <p>A041 quality management system</p> <p>A042 dart notification by supplier</p> <p>A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.</p>

Plex 9/4/18 3:17 PM dart.lavoie.chantal



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

Copy

CO00108452

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : LUSSIER Tél.: (613) 632-5200 X 730

Instruction F-M

Delivery Route 5

Customer N° CLI0001056

Date 2018/09/06

Delivery date 2018/09/14

Your order N° PO040926

Processed by Denis Quenneville

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 FLAT ALU 2 X 8 6061-T6 NS FAL-28 9467 2 X 6' AC19485/54/2018/09/10 HEAT 01171701 <i>HT</i> <i>Bout plancher.</i>	225.55	12.00	PL \$CLB		2x6'					
2 FLAT ALU 1 X 2 6061-T6 * FAL-12 2497 2 X 12' HEAT (SXFI71892) <i>HT</i>	57.60	24.00 <i>24</i>	PL \$CLB		1x12' 1x10'					
3 FLAT ALU 1 1/2 X 3 6061-T6 * FAL-1123 2445 1 X 12' HEAT (SXE180264) <i>HT</i>	63.50	12.00	PL \$CLB		1x12'					
4 ROUND SS 3/4 304 (R) RSS-34 5762 2 X HEAT (622X) <i>HT</i>	36.05	24.00	PL \$CLB		2x12' 1/4"					



DELIVERY - CLIENT

CO00108452

Product Description		Qty	Weight	UM	PCS NB		Internal Use Only					
					CMD	EXP	B/O	IN	I	S	C	OUT
Conditions :												
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.		NIR : R-109516-6										
Total Weight (Lbs) :		382.70										
Prepared By :	Verified By :	Delivered By :	Time					Date				
BR	Am							Y M D				
Customer's Signature												

108452

Dart.

19485N



Can Do.

Service Center Metals

5850 Quality Way
Prince George, VA 23875



**CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS**

OUR ORDER NUMBER	ITEM
282131	4

CERTIFICATION
ASTM-B221-14 No Stencil
SPECIFICATION
AMS-QQA-200/8 Rev-A

MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT
320466	PL0745	1/24/2017
CUSTOMER PO	ALLOY / TEMPER	SALESPERSON
C73816	6061-T6511	D. Schroeder (Canada)
CUSTOMER PART NUMBER	DESCRIPTION	
V837731	PL 2.000x8.000	

Quantity Certified 903 lbs 4 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
			min max	min max	min max
1	201700809	1/24/17	51.20 51.20	47.70 47.70	13.70 13.70

835536

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Total	Melt Source:
01171701	201700809	6061	0.75	0.35	0.32	0.09	0.90	0.09	0.08	0.02	97.40	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 1/24/2017

Rev 9/9/16

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061 T6/T651/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/6 OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
R 2009-08-03
NAD

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (2N D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.05.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED	AS		
MFG. APPR.	M6061T6B		
APPROVED			
DE APPR.			
DATE	09.07.13		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. M6061T6B
REV. B
SHEET 1 OF 1
SCALE NTS

TITLE 6061-T6 BAR

Copyright © 2001 BY DART AEROSPACE LTD
This drawing is the property of DART AEROSPACE LTD. It is to be used only for the purpose for which it was prepared. No part of this drawing may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from DART AEROSPACE LTD.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 B2.000 x 08.000

PO / BATCH NO.: P0040926/S110497

DATE: 18/04/17

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 2.000"

QUANTITY RECEIVED: 12ft

THICKNESS RECEIVED: 2.000"

QUANTITY INSPECTED: 12ft

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	AMS-QQ-A-200/B
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	HT: 01171701
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/04/17</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

#2447 FAL-12-V

TRA-1643

49541



GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Address: MY XUAN B1-CONAC INDUSTRIAL ZONE, MY XUAN TOWN, TAN THANH DISTRICT,
BA RIA VUNG TAU PROVINCE, VIETNAM

Tel: +84(0)643924954

Fax: +84(0)643924953

MILL TEST CERTIFICATE

Date: November 17, 2017

PO number: P-17529

Shipping Ref No.: 17-2204

LC No.: DC HMN714466

Date of issue: October 31, 2017

Item Code: 1927100

Die Number: D00227

Alloy & Temper: 6061-T6

Production Description: Flat Bar 1"x2"x 240" 6061-T6 D00227

Length (inch): 240

Bundle number: P-17529-007

Heat Number: SXF171892

Date: 10/05/2017

Applicable Specifications: ASTM B221 STANDARDS

CHEMICAL ANALYSIS: %

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other		Remark:
									EACH	TOTAL	
0.609	0.952	0.247	0.272	0.018	0.096	0.011	0.020	97.678	<0.05	<0.10	08/05/2017

MECHANICAL ANALYSIS:

Ult. Strength (ksi)	Yield Strength (ksi)	Elongation % LN 2"	Remark:
42.3	38.5	11.4	08/05/2017

All profiles, showing material shipped match aluminium alloy as per standard, with chemical analysis to match aluminium alloy standard.

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.

Quality Manager

TRUNG TÂM KIỂM NGHIỆM CÔNG TY
TNHH NHÔM TOÀN CẦU VIỆT NAM
GLOBAL VIETNAM ALUMINIUM
CO., LTD TESTING CENTER

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6 T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-09-03
MP

B		REMOVE QQ-A-250/1 OPTION REFORMAT NOTES, ADD ASTM B211/B221 (Zn D7-1)		CP	09.07.13
A		NEW ISSUE		DS	01.06.08
REV.		DESCRIPTION		BY	DATE
DESIGN	DS	DART AEROSPACE LTD			
DRAWN	<i>MP</i>	HAYKESBURY, ONTARIO, CANADA			
CHECKED	<i>AS</i>	DRAWING NO.	M6061T6B	REV. B	
MFG. APPR.	<i>MP</i>	SHEET 1 OF 1		SCALE	
APPROVED	<i>MP</i>	TITLE	6061-T6 BAR	NTS	
DE APPR.					
DATE	09.07.13				

COPYRIGHT © 2001 BY DART AEROSPACE LTD
ALL RIGHTS RESERVED
DART AEROSPACE LTD
1000 SHEPPARD AVENUE EAST
UNIT 10
SCARBOROUGH, ONTARIO M1S 1T2
CANADA
TEL: (416) 291-1111
FAX: (416) 291-1112
WWW.DARTAEROSPACE.COM

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 B1.00x02.00

PO / BATCH NO.: P0040926/5110498

DATE: 18/09/17

MATERIAL CERT REC'D: Ker

THICKNESS ORDERED: 1.000"

QUANTITY RECEIVED: 22ft

THICKNESS RECEIVED: 1.000"

QUANTITY INSPECTED: 22ft

SHEET SIZE ORDERED: -

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	HT: 5x5 171892
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/09/17</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

2445

FAL-1123

51350

TRA 2347

**GVA**Global Vietnam
Aluminium Co., Ltd

GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Address: MY XUAN B1-CONAC INDUSTRIAL ZONE, MY XUAN TOWN, TAN THANH DISTRICT,
BA RIA VUNG TAU PROVINCE, VIET NAM

Tel: +84(0)643924954

Fax: +84(0)643924953

MILL TEST CERTIFICATE

Date: April 26th, 2018

PO number: P-18057

Shipping Ref No.: 18-0817

LC No.: DC HMN811301

Date of Issue: April 10, 2018

Item Code: 1931000

Die Number: D00141

Alloy & Temper: 6061-T6

Production Description: ALUMINIUM EXTRUDED PROFILES

Flat Bar 1.5" x 3" x 240" 6061-T6 D00141

Length (inch): 240

Bundle number: P-18057-008, P-18057-007

Heat Number: SXE180264

Date: 01/03/2018

Applicable Specifications: ASTM B221 STANDARDS

CHEMICAL ANALYSIS: %

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other		Remark:
									EACH	TOTAL	
0.598	0.900	0.211	0.251	0.016	0.096	0.033	0.019	98.282	<0.05	<0.10	26/02/2018

MECHANICAL ANALYSIS:

Ult. Strength (ksi)	Yield Strength (ksi)	Elongation % LN 2"	Remark:
38.6	35.3	10.5	26/02/2018

All profiles, showing material shipped match aluminium alloy as per standard, with chemical analysis to match aluminium alloy standard.

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.

Quality Manager



TRUNG TÂM KIỂM NGHIỆM CÔNG TY
TNHH NHÔM TOÀN CẦU VIỆT NAM
GLOBAL VIETNAM ALUMINIUM
CO., LTD TESTING CENTER

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6 65176510/T6511/T62 ALUMINUM BAR

SPECIFICATION:
 QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
 OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
 OR ASTM B211 OR ASIM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
 "WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
 2009-09-03
MP

B		REMOVE QQ-A-250/11 OPTION REFORMAT NOT'S AND ASTM B211B22 (ZND7-1)		CP	09 07 13
A		NEW ISSUE		DS	01 06 09
REV		DESCRIPTION		BY	DATE
DESIGN	DS	DART AEROSPACE LTD			
DRAWN	<i>MP</i>	HAWKESBURY, ONTARIO CANADA			
CHECKED	<i>AS</i>	DRAWING NO.			
MFG APPR.	<i>MP</i>	M6061T6B			
APPROVED	<i>MP</i>	TITLE			
DE APPR.	<i>MP</i>	6061-T6 BAR			
DATE	09.07.13	NTS			
COPYRIGHT © 2001 BY DART AEROSPACE LTD.					

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 B3.000x1.500

PO / BATCH NO.: P0040926 / S110499

DATE: 18/09/17

MATERIAL CERT REC'D: Ker

THICKNESS ORDERED: 1.500"

QUANTITY RECEIVED: 12ft

THICKNESS RECEIVED: 1.500"

QUANTITY INSPECTED: 12ft

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	LM: SXE180264
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/09/17</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



North American Stainless Canada Inc.
740 Imperial Road, North
Geolph, ON N1K1Z3
Canada

Certificate: 373018 18

Customer: 007080 003

5762 RSS-34-V

METALLURGICAL TEST REPORT

20.12848
6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Date: 1/19/2018 Page: 1

Steel: 304/304L

Finish: CU

Corrosion: ASTM A262/15 Prac A/S OK

Your Order: MS1116

NAS Order: IN 0257931 07 Heat Treat Code: 44,385

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/16
ASTM A276/17, ASTM A479/17, ASTM A182/16a CHEM ONLY,
ASME SA479/13, ASME SA182/13 CHEM ONLY
AMS 5639J, AMS 5647K, AMS QQS-763D, QQS-763F, ASTM F899/12b
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/17a CL 1 GR B8
ASTM A193/16-ASME SA193/13 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DVAR 252.225-7009 TO DIRECTIVE
2011/65/EU. ROHS. EAF-ADD-CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid # Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BJ1669 2	.7500		759	144.00	26	1	

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
CHEMICAL ANALYSIS CH(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/16a

NAS Heat	CM	C %	CO %	CR %	CU %	MM %	MO %	NI %	NI %	P %
622X	US	.029	.14	18.00	.36	1.32	.263	.069	8.50	.031
	S %		ST %							
		.0270	.27							

MECHANICAL PROPERTIES

Product Id	1 d o i c v	HB	.2YS KSI	UTS KSI	RA %	ELONG % 4D
BJ1669 2	RL	190.0	72.30	102.23	68.58	49.20

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

1/19/2018

Heat: 622X

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276
M304R/D.DDD
DIA. |

PART NUMBER:

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M304R0.750

RELEASED
R 08/25/15

B	REFORMAT P/NG, ADD SPECS (2N DC-1). REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	AJS	08.03.03
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	g		
CHECKED			
MFG. APPR.	M304R		
APPROVED	MD		
DE APPR.	MD		
DATE	09.07.15		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO.		SHEET 1 OF 1	
TITLE		SCALE	
304/316 ROUND BAR		NTS	
COPYRIGHT © 2008 BY DART AEROSPACE LTD			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R1.750
 DATE: 18/09/17

PO / BATCH NO.: P004026/5110500

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 24.667H
 QUANTITY INSPECTED: 24.667H
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"
 THICKNESS RECEIVED: 0.750"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM A276
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	HT: 622x
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
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testers located in the Quality Office

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